UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO.   : 7,328,053 B1
APPLICATION NO. : 09/195791
DATED   : February 5, 2008
INVENTOR(S)   : Mohamed K. Diab et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

At column 1, line 11, after "Oct. 6, 1993" insert -- and a continuation-in-part of Application Serial No. 08/249,690 (now U.S. Patent No. 5,482,036), filed May 26, 1994, which is a continuation of Application Serial No. 07/666,060, filed March 7, 1991 (now abandoned): --.

At column 17, line 35, after "(t)" insert -- = --.

At column 17, line 66, below "Equ. 20a" delete

" $s_{\lambda a}(t) = [\varepsilon_{5,\lambda a}C5 + \varepsilon_{6,\lambda a}C6]\chi_{5,6}(t)$ (20a) ".

At column 18, line 13, below "Equ. 21a" delete

" $n_{\lambda b}(t) = [\varepsilon_{5,\lambda b}C3 + \varepsilon_{6,\lambda b}C4]\,\chi_{3,4}(t)$ ".

At column 20, line 8, delete " $n''_{\lambda b}$ " and insert -- $n''_{\lambda a}$ --, therefor; line 14,

delete " $\varepsilon_{6,\lambda b}$ " and insert -- $\varepsilon_{6,\lambda b}$ --, therefor; line 22, delete "Γ" and insert -- , --, therefor.

At column 22, line 22, delete "(t)+" and insert -- (t))+ --, therefor.

At column 25, line 45, delete "s_1 (t)" and insert -- s'(t) --, therefor.

At column 26, line 41, delete " $\Gamma_{e,m}(t)$ " and insert -- $\Gamma_{f,m}(t)$ --, therefor; line 49,

delete " $\delta_{f,m}(t),$ " and insert -- $\Gamma_{f,m}(t),$ --, therefor.

At column 27, line 51, delete " $\gamma 0$ " and insert -- $\gamma 0$ --, therefor.

At column 28, line 6, delete " $\delta_{f,m}(t)$ " and insert -- $\Gamma_{f,m}(t)$ --, therefor; line 16,

after " γ_{m-1} " delete "(t)/γ_{m-1}"; line 25, delete "FΓ" and insert -- Γ --, therefor; line 47,

delete " $S_{\lambda a}(t)$ " and insert -- $s_{\lambda a}(t)$ --, therefor; line 53, delete " $\delta_{f,m}(t)$ " and insert

-- $\Gamma_{f,m}(t)$ --, therefor.

At column 30, line 30, delete " $\mathcal{C}_{b,m-1}$ " and insert -- $\mathcal{C}^*_{b,m-1}$ --, therefor.

At column 31, line 40, delete " $\mathscr{F}_1^-(t) = \lambda\,\mathscr{F}_1^-$ " and insert -- $\mathscr{F}_{m-1}^-(t) = \lambda\,\mathscr{F}_{m-1}^-$ --,

therefor; line 25, delete " $\mathscr{F}$ " and insert -- $\mathscr{F}_m^-$ --, therefor.

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It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

At column 34, line 50, delete "(t_i)" and insert -- (t_1) --, therefor; line 55, delete " $\varepsilon 6,\lambda b c_6$ " and insert -- $\varepsilon_{6,\lambda b} c_6$ --, therefor; line 63, delete " $\varepsilon_{\lambda b} c_6 \Delta \chi$ " and insert -- $\varepsilon_{6,\lambda b} c_6 \Delta \chi$ --, therefor.

At column 41, line 23, after "demodulation" delete "is".

At column 44, line 5, delete "1R" and insert -- IR --, therefor; line 47, delete ""r"" and insert -- "r_n" --, therefor.

At column 45, line 2, delete "$s_{red}(t)$" and insert -- $S_{red}(t)$ --, therefor.

At column 46, line 30, delete "vectors" and insert -- vector --, therefor.

At column 49, line 20, delete "(t_c)" and insert -- $(t_c)^2$ --, therefor; line 22, delete "(t_b)" and insert -- $(t_b))$ --, therefor.

At column 55, line 60, delete "s_1" and insert -- s_2 --, therefor.

At column 57, line 14, delete "$R_{12}(t_2)ix$" and insert -- $R_{12}(t_2)x$ --, therefor.

At column 62, line 14, delete "$s'(t)$" and insert -- $s'(t) =$ --, therefor.

At column 64, line 53, delete "$n_1 (t))$" and insert -- $n'(t))$ --, therefor; line 62, delete " $s_{\lambda a}(t)$ and $s_{\lambda b}(t)$ " and insert -- $S_{\lambda a}(t)$ and $S_{\lambda b}(t)$ --, therefor.

At column 65, line 26, delete " $\mathcal{S}_{na}(t)$ " and insert -- $\mathcal{S}_{na}(t),$ --, therefor; line 49, delete " $s''_{nb}(t)$ " and insert -- $s''_{\lambda b}(t)$ --, therefor.

At column 68, line 56, after "wherein" delete "is".

This certificate supersedes certificate of correction issued April 28, 2009.